



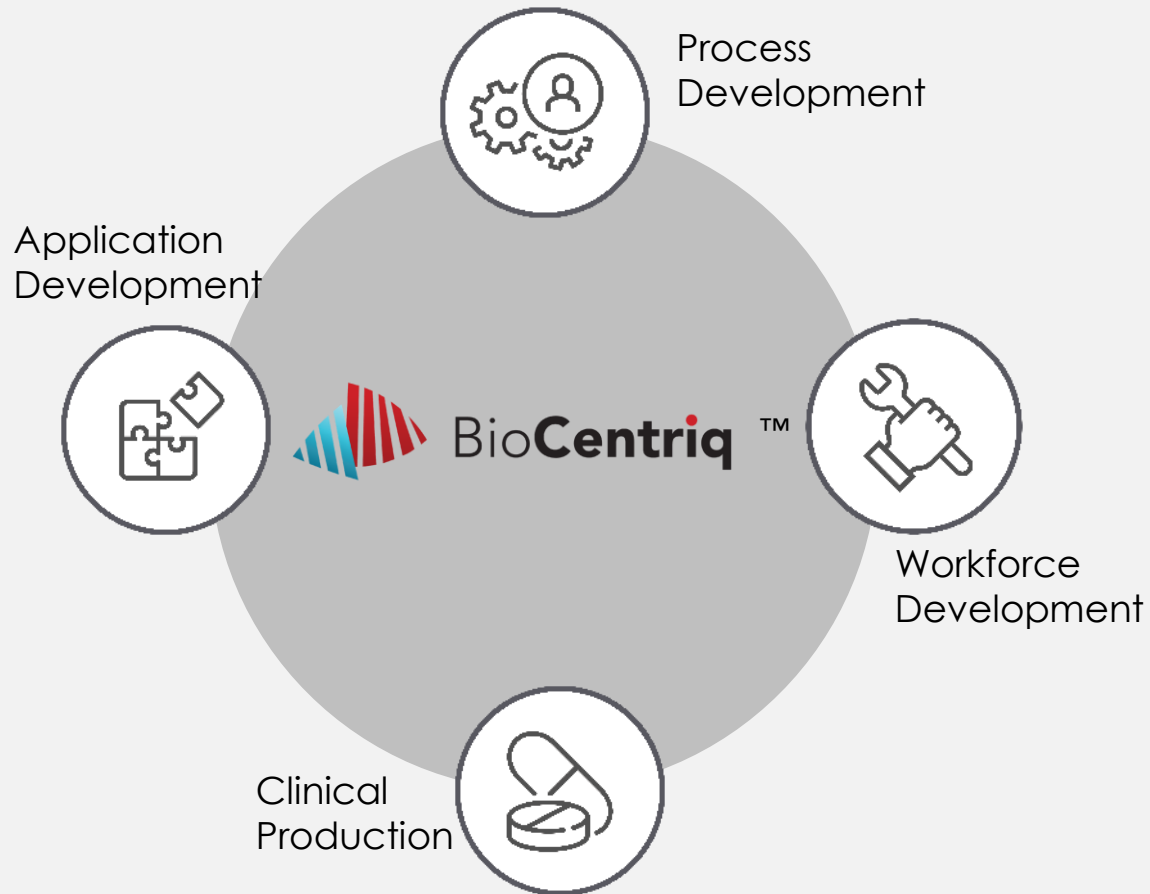
Cell and Gene Therapy Development and Clinical Manufacturing Center

Haro Hartounian, Ph.D.

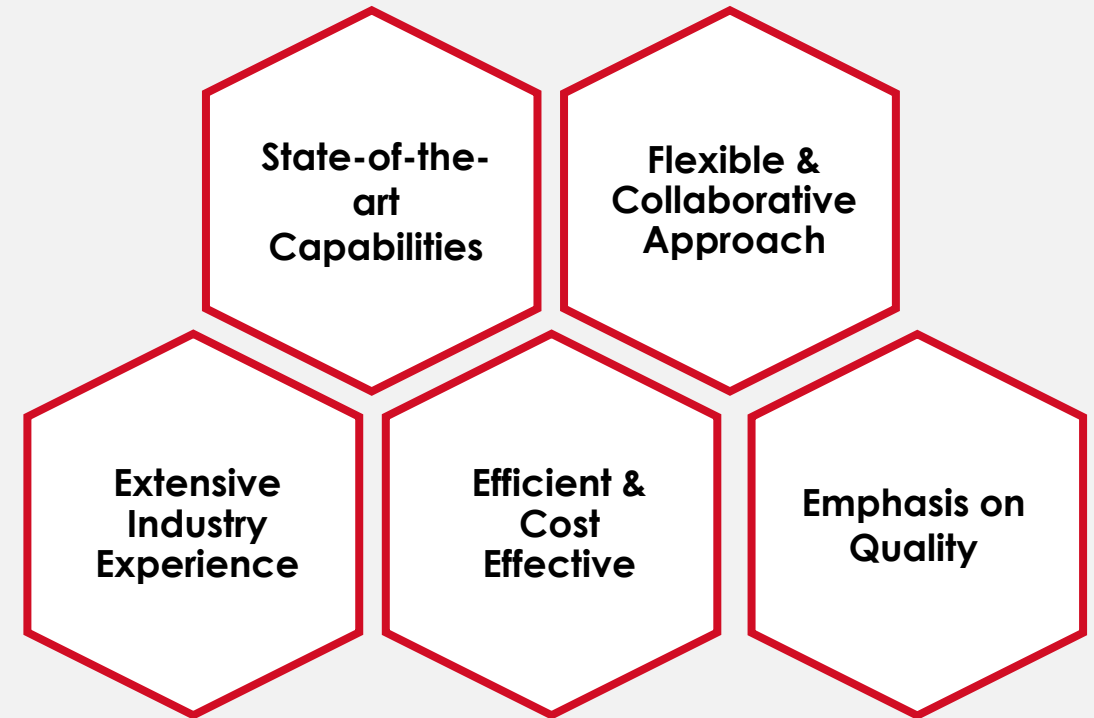
Senior Vice President, BioCentriq™

BioCentriq™ is a Full Service Concept-to-Clinic CDMO

Our Services



Our Advantage



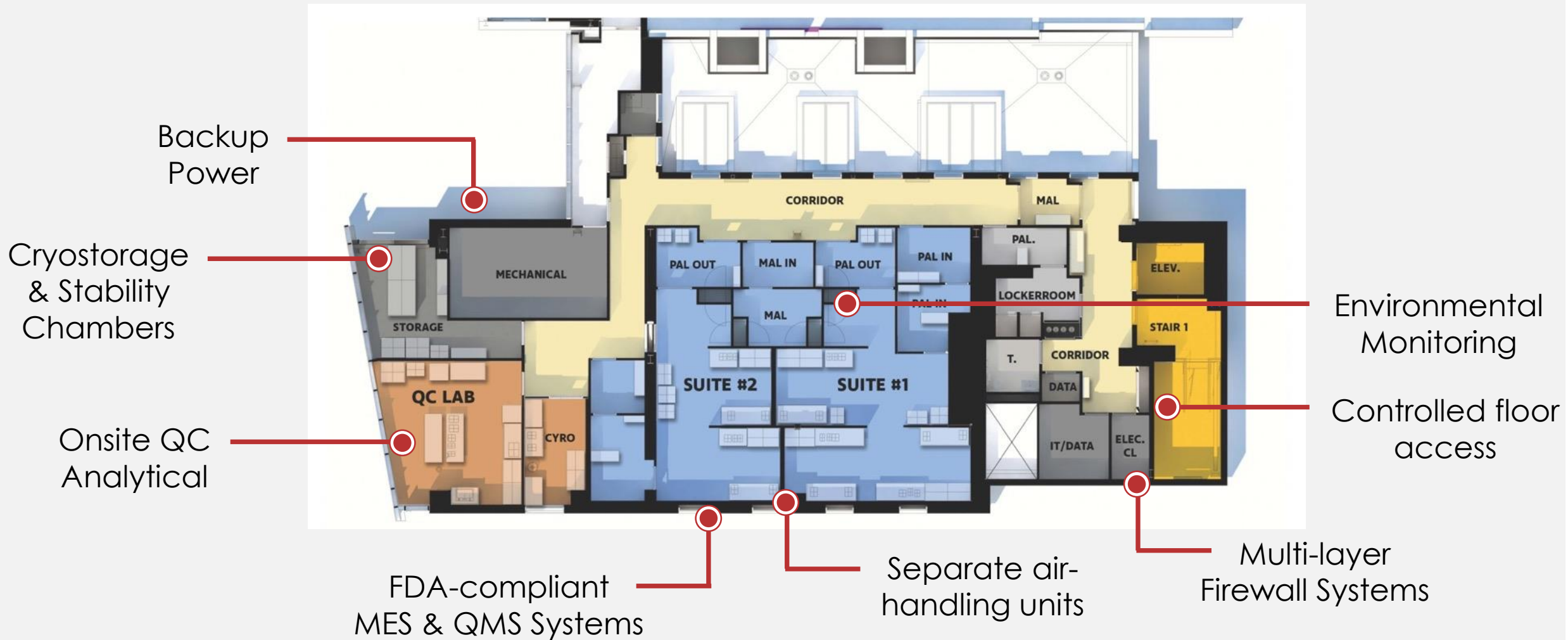
Two State-of-the-art Facilities

BioCentriq has two multi-million dollar facilities located in Newark and South Brunswick:

- Newark: ISO-7 certified clinical manufacturing facility
- South Brunswick: BSL-2 certified process development facility
- Industry-leading processing and analytical equipment
- Full access, hybrid teams, and collaborative approach



A Fully Validated GMP Facility & Quality Systems



GMP Clinical Production Facility



Cell Therapy

Autologous

Allogeneic

Multiple Cell Types

Analytical and Quality Services



Gene Therapy

Viral Vector Production

Viral Banks

Upstream Processing

Downstream Processing



Immunotherapy & Vaccines

Monoclonal Antibodies

Proteins

Vaccines

Fully Equipped Process Development Facility



Process Development Center



Capabilities

Cell Therapy

Viral Vector

Non-Viral

Analytical Methods



Services

Full customer access

Hybrid teams

Tech transfer & process migration

Analytical method development

Downstream purification & testing



Capacity

Batch and continuous
processing

Processing Technology Highlights



**CLINIMACS
Prodigy**



**Cytiva Flex
Factory**



Pall iCELLis Nano



Pall Allegro XRS 25



Pall iCELLis 500



**Sartorius Ambr
15**



**Pall Allegro STR
200**



Sartorius CM150 TFF



**Sartorius Cadence
BioSMB**

Adherent Cell Systems

Scale-up & Clinical Production

Process Development

Screening, Media Design &
Optimization



Corning/Thermo
Flasks, Hyperflasks
5mL – 560mL



PALL
iCELLis Nano
600mL – 4L



PALL
iCELLis 500
72L – 500L

Working Volume

Suspension Cell Systems

Scale-up & Clinical Production

Process Development

Media Design & Optimization

Screening



Sartorius
Ambr 15
10-15 mL



Corning/Thomson
Shake Flasks
24mL – 3.2L



Sartorius
BioStat B-DCU
1L – 10L



PALL
Allegro XRS 25
2L – 25L



PALL
STR 50, STR 200
10-50L, 60-200L

Working Volume

Analytical Capabilities Highlights

Dose: Cell count & viability

Identity: Cell marker identification & gene expression

Potency Testing: Proliferation, cytotoxicity, ELISA, enzyme activity, cell count & viability, viral vector titer

Purity Testing: Identification & residual host cell DNA

Compendial Methods: Endotoxin, sterility, and bioburden testing



NC-200 Cell Counter



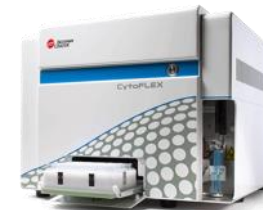
ViCELL Blu Cell Counter



Bio-Rad ddPCR



Nova Bioflex



Cytotflex Flow Cytometer

Experienced and Collaborative Team

“Over a century of industry experience”



Guided by Impressive Advisory Committee



Joanne Beck, Ph.D.
Boston Pharmaceuticals



Peter Marks, M.D., Ph.D.
FDA - CBER



Steve Dziennik, Ph.D.
Merck



Joseph Tarnowski, Ph.D.
GlaxoSmithKline



Hari Pujar, Ph.D.
Flagship Pioneering



Beth Webb
GE-Cytiva



Greg Russotti, Ph.D.
Century Therapeutics



Rick Morris, Ph.D.
Pall Biotech



David Pollard, Ph.D.
Sartorius



Mayo Pujols, M.Sc.
Andelyn Biosciences



Kelvin Lee, Ph.D.
NIIMBL



Kevin Belfield, Ph.D.
NJIT

BioCentriq is Designed to Overcome Challenges



Available cGMP
Facilities



Hybrid Team
Model



Experienced
Scientists & Engineers



Strategic Sourcing
of Materials



Rapid Project
Initiation



Flexible Pricing
Models

Take a Virtual Tour!



Contact Us For Your Next Project



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